

CORRES. CONTROL
INCOMING LTR NO.

20455 RF05

DUE DATE

ACTION



RECEIVED

2005 SEP 15 A 10: 53 Department of Energy

CONFIDENTIAL
CONTROL

107 ROCKY FLATS PROJECT OFFICE
12101 AIRPORT WAY, UNIT A
BROOMFIELD, COLORADO 80021-2583
SEP 1 2 2005

05-DOE-00558

[illegible]

**Mr. Carl Spreng
Rocky Flats Cleanup Agreement Project Coordinator
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530**


Dear Mr. Spreng:

Please find enclosed the additional information requested by Mr. David Kruchek, Colorado Department of Public Health and Environment, for the Building 559 Complex Closeout Report.

Questions may be directed to Rich Schassburger, Rocky Flats Project Office, at (303) 966-4888.

Sincerely,

Sincerely,



John J. Rampe, Director
RFPO Closure Project Management

Enclosure

cc w/o Encl.:
S. Nesta, K-H, RISS Env.
J. Heber, K-H RISS D&D
K. Wiemelt, K-H RISS D&D

cc w/Encl.:
D. Kruchek, CDPHE
M. Aguilar, USEPA
D. Abelson, RFCLOG
K. Korkia, RFCAB
Administrative Record

COR. CONTROL	X	X
ADMIN. RECORD	X	X

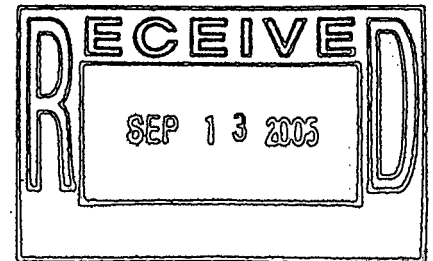
Reviewed for Addressee
Corres. Control RFP

9/15/05 *[Signature]*
Date By

Ref. Ltr. #

DOE ORDER #

5400.1



ADMIN RECORD

B559-A-000055

B559 Closeout Report

Comments:

- Q) On page 4 Section II, 2nd paragraph it is stated that "The 559 facility (including 561 and 528 buildings) was determined to be a Type 2 RFCA facility." Please include a Typing determination for B562.
- A) B562, the diesel generator building was identified as a Type 1.
- Q) Figures 1, 2, and the utilities map – Please provide color copies, as the black and white ones provided do not allow us to identify the separate areas and infrastructure as shown.
- A) Attached are copies of Figures 1 and 2 and a utility dislocate map.
- Q) Section III – Please correct the statement for B561 that states this building met free-release standards, as it was our understanding that not only the plenums but also the floor under the plenums did not meet unrestricted standards. Also, please include a discussion of the asbestos containing piping that was left in the B559 slab (as discussed in our approval letter). In addition please discuss the disposition of the B562 slab.
- A) The floors under plenums FP-302 and FP-301 came up with some contamination around the deluge drain lines. The entire B561 slab including the plenum floors went out as LLW.

The asbestos-containing pipe was contaminated. Prior to removal the interior of the ducts was painted by running a spray nozzle from one end to the other fixing the contamination. The pipe was bagged during removal and loaded out as LLW.

B562 slab went out as sanitary waste.

- Q) Section V. - Please include B562 in this discussion. Also, please include the radiological information regarding the levels of radiological contamination on remaining infrastructure, and results of significant additional radiological investigations that were conducted after the issuance of the PDSRs, which modified the information provided in the PDSRs or other assumed conditions of these structures (such as under the plenums).
- A) All contaminated structures were completely removed and the site remediated to wild life refuge worker limits or below.
- Q) Section VII. – Please identify the types of waste included (concrete, asphalt, metal, wood, etc.) and if this includes the waste generated during Set removals. If this does not include set demolition waste, then please provide the set waste generated and the disposition of this waste, which should include LLW, RCRA/mixed waste, etc.

A)

Low-Level Waste

Disposal

Disposal Site:

NTS, Nevada and Envirocare, Utah

Waste Volume (m³):

1221.103

Waste weight (tons):

173.813

Additional Information:

This waste was generated from Buildings 528, 559 and

	561
Low-Level Mixed Waste Disposal	
Disposal Site:	Envirocare, Utah
Waste Volume (m³):	94.645
Waste weight (tons):	26.078
Additional Information:	This waste was generated from Buildings 528 and 559
TRM	
Disposal Facility:	WIPP, New Mexico
Waste Volume (m³):	21.799
Waste weight (tons):	3.53
Additional Information:	This waste was generated from Buildings 528 and 559
TRU	
Disposal Facility:	WIPP, New Mexico
Volume (m³):	51.633
Weight (tons):	6.961
Additional Information:	This waste was generated from Buildings 528, 559 and 561

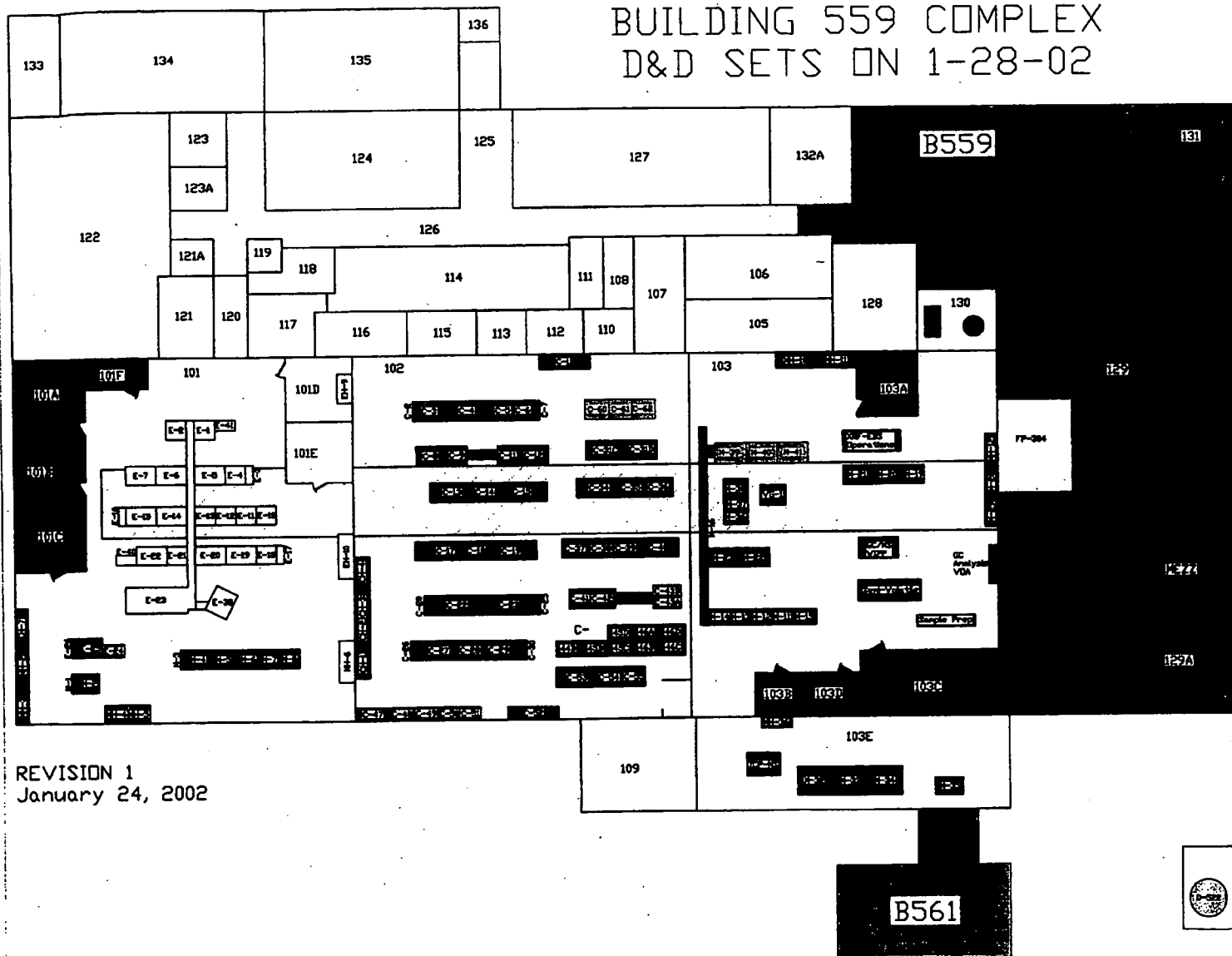
The above waste volumes were generated from August 1, 2002 through December 1, 2004. This includes all waste generated during Set removals, but the waste cannot be associated with any specific Set. This waste includes all piping, utilities, gloveboxes, and interior walls.

- Q) Please include a discussion of the removal/closure of all RCRA Units. (Section II does not identify or state that all (or any) RCRA Units were properly closed, or how this was accomplished (CDD, Permit, RSOP, etc.), nor does Section VIII.)
- A) As Section VIII of the Final Project Closeout Report states RCRA closure documentation should have been submitted in an RSOP Notification Letter under the RSOP for Component Removal, Size Reduction and Decontamination Activities. However, the closure method noted in Section VIII is not correct; the gloveboxes were closed in accordance with the "clean debris surface" standard, and the gloveboxes sent for disposal at NTS, Nevada. This was self-reported to CDPHE in ECATS finding 2625, on June 10, 2004. CDPHE issued a Consent Order with 2 findings. The first finding was failure to notify for which the Site was granted immunity due to self-reporting. The second finding was for failure to have an approved closure plan. The Consent order was closed by CDPHE on June 24, 2005.
- Q) Section IX – Please expand this discussion to include all remaining infrastructure that was not removed prior to take over by ER. Including, but not limited to, the inground utilities, process waste lines, and tunnels, as well as the other structures.
- A) Items left for ER were as follows:
- 559 – slab, ACM ducting, underslab process waste lines, recirculation air tunnel, underslab utilities, 559/561 tunnel, all storm drains and piping
- 561 – slab, underslab filter plenum deluge drain lines, underslab process waste lines, 561 pit, remaining 561/528 culvert (some removed as part of 528 demo)

- Q) Section X – Please expand this discussion to include the extent of remaining infrastructure that was not removed as well as the extent of the removal that had occurred. This would include “all of Building 528” (show the extent of the excavation and associated infrastructure removed), as stated in Section III, and B562.
- A) Prior to starting 559 and 561 demo, all of B528, B562, were removed. Items left for ER were same as above.
- Q) Section XI – Please expand this discussion to properly and accurately identify all waste left in place, to include (but not limited to) the process waste lines and the contaminated tunnels. Also, all remaining structures such as 528 and 562.
- A) Waste left for ER included slabs for 559 and 561, process waste lines, filter plenum deluge drain lines, 561 pit, 559 recirculation air tunnel, 559/561 tunnel, 559 underslab ACM return air ducting, foundation walls and footers.
- Q) Section XIV – Please include discussion of B528 and 562, as well as the tunnels, etc.
- A) Items mentioned above were left for ER. B562 was complete. Only item left for B528 was the process waste line from B559 located North of B528. Pipe was removed to outside of B528 footprint during demo of 528.
- Q) Maps – Please provide a figure that specifically identifies the location of removed and remaining infrastructure, including process waste lines. If the figure provided is supposed to identify the removed and remaining utilities, please provide this in color with appropriate explanation.
- A) All the infrastructure was removed.

G

BUILDING 559 COMPLEX D&D SETS ON 1-28-02

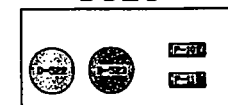


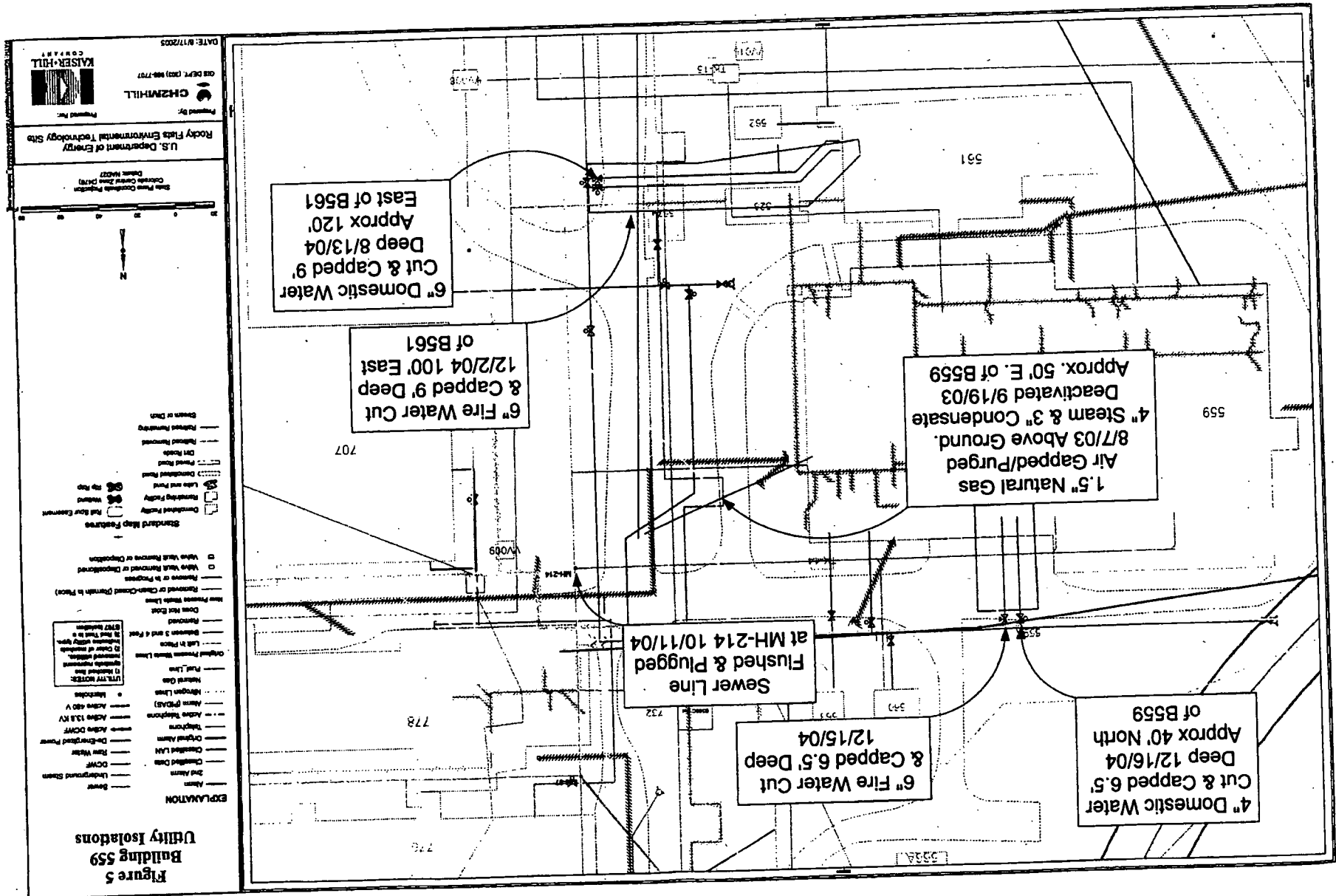
REVISION 1
January 24, 2002

ORDER OF REMOVAL

- SET 1 - ROOM 130
- SET 2 - Rooms 103C, D, & E
- SET 3 - Room 130
- SET 4 - Room 103
- SET 5 - Room 102
- SET 6 - Room 101
- SET 7 - Room 102
- SET 8 - Room 102
- SET 9 - Room 103
- SET 10 - ROOMS 101 - 103 & 129
- SET 11 - ROOM 102
- SET 12 - B559
- SET 13 - B561
- SET 14 - TUNNEL PIT & TANK 301

B528



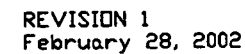













DATE: 8/17/2005
 PREPARED BY: CH2M HILL
 U.S. Department of Energy
 Rocky Flats Environmental Technology Site
 Colorado Cleanup Project
 Cleanup Action Plan
 Revision: 1.0
 Project No.: 100-1787



COMPANY
KAISER-HILL

✓✓✓



 AREA AA
 AREA AB
 AREA AC
 AREA AD - TUNNEL UNDER 101-103
 AREA AE
 AREA AF
 AREA AG
 AREA AH
 AREA AJ
 AREA AK
 AREA AL - EXTERIOR SURFACES OF B559 COMPLEX

Reviewed For Classification/UCNI
BY: /s/ Martin Transue 7/1/01
TITLE: Sc. Engr. 3. LATA
DATE: 2-28-02